



## ***Fleet Vehicle and Equipment Specification***

**CC-25.5K**

Specification # - CC-25.5K (2-5-2015)

### **Cab & Chassis - 25.5K GVWR**

#### **Ford F650**

**\*NOTE - The following specification is the minimum requirements only. The actual awarded vehicle may include features and options that exceed the specification.**

### **Scope**

This specification details the State of North Carolina's requirement for a 25,500 lb. GVWR, ATA Class 6, cab and chassis. The cab and chassis may be equipped with a service body, aerial device, dump body or stake type flat deck body designed to be functional within the capabilities of the truck GVWR. The final unit will be designed and assembled in accordance with all applicable industry standards and comply with all governmental regulations as they apply to the operation of the vehicle described in this specification. This vehicle will be used for general transport personnel and materials associated with the function of the upfitted body and equipment as applicable. Functions may include plowing, salting, sanding highways, supporting paving operations, stockpiling materials and all general road construction and maintenance programs.

### **Chassis**

#### **Ford F650**

#### ***General***

Wheelbase - 140 in.  
CA - 73 in.  
Weight - 8,800 lbs. (appx.)  
GVWR - 25,500 lbs.  
GCWR - \_\_\_\_\_ lbs. (\_\_\_\_\_ lbs. (towing capacity))  
Payload - \_\_\_\_\_ lbs.

#### ***Engine***

Diesel, 6.4L, V8, EFI, 24 valve or equivalent  
220 HP @ 2800 RPM (net SAE)  
560 lb.-ft. @ 1400 RPM (net SAE)  
Governed speed - 2400 RPM

#### ***Engine Equipment***

Engine shut down alarm system w reset, activated by low  
or high engine oil pressure or high coolant temperature  
Dual element, heavy duty air cleaner  
Air cleaner status gauge (mounted on air cleaner)  
Silicon or premium rubber radiator hoses  
Fuel water separator with integral heater  
1000 watt engine block heater  
Extended life anti-freeze (-40° F)  
Magnetic engine oil drain plug  
Cold weather starting aid - Glow plug (automatic) with dash mounted indicator light  
Electronic engine speed governor  
Oil filter - Drop in cartridge type  
Viscous fan drive

#### ***Transmission***

Automatic - Allison 2500, RDS-P. wide ratio, six (6) speed w double overdrive or equivalent  
Transmission oil cooler  
Power take off provision - Left and right side, 10 bolt, SAE  
Less retarder  
Synthetic lubricant  
Transmission dipstick  
Column mounted shifter

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Wiring - To include shift inhibit, auto neutral and torque converted lockup

#### **Brakes**

Full hydraulic, split brake system  
Front -Disc; Rear -Disc  
ABS (Antilock brake system) - 4 ABS channels  
Traction control

#### **Front Axle**

8,000 lbs. capacity (Dana Spicer E1002L, "I" beam type)  
Suspension - 8,000 lbs. capacity , parabolic tapered leaf  
Oil lubricated, synthetic, front wheel hubs with clear caps  
Shock absorbers with maintenance free rubber bushings

#### **Rear Axle**

Single  
17,500 lbs. capacity (Dana Spicer 17060S), single reduction or equivalent  
Suspension - 17,500 lbs. capacity tapered leaf with auxiliary springs  
Shock absorbers with maintenance free rubber bushings  
Limited slip differential - Driver actuated  
Magnetic rear axle drain plug  
Ratio - 5.38 for geared road speed of 70 MPH

#### **Frame**

Single channel. 50,000 psi. steel  
Clean frame rails  
Frame extension to accommodate different service body and flat deck, stake truck type of applications for the State of North Carolina in conjunction with body (aerial equipment or other) installer.

#### **Electrical**

Battery - Dual 925 CCA, 12V, heavy duty AGM (absorbed glass mat) Deka 9A31 or equivalent  
Battery box - Aluminum with aluminum cover  
Battery disconnect switch  
Jump start stud (specify location if not in battery box)  
Alternator - 135 amp., heavy duty (Lease Neville LBP2190)  
SAE blade type fuses  
Remote power module for body installation and auxiliary equipment control  
Body builder wiring -  
  
Full, seven (7) wire harness to end of frame rail with receptacle (wired according to SAE J560)

#### **Tires**

Front - Premium highway tread 10R20 16PR (Goodyear® or equivalent)  
Rear - Premium traction block 10R20 16PR (Goodyear® or equivalent)

#### **Wheels**

Front - steel disc, Accuride® or equivalent, 10 hole, flange nut, hub piloted  
Rear - steel disc, Accuride® or equivalent, 10 hole, flange nut, hub piloted

#### **Cab**

Conventional day cab  
Full tilting hood  
Removable fender panels  
Clearance and marker lights - Five (5), amber, LED, (flush mounted)  
Air bag type rear suspension to frame

#### **Interior Equipment**

Air conditioning  
Color -Gray  
Seats - Cloth  
Full bench, three (3) passenger  
Standard audio package  
Power steering

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Cruise control - Electronic integral to steering column

Tilt steering

Dash mounted auxiliary switches for upfitter wiring

Extra entry key

Floor mats - Front and rear (rubber)

Reverse vehicle aid sensor (if provided by OEM)

Instrument panel mounted, electric activation PTO control with two (2) preset engine speed capabilities

Roof mounted interior lamp with switch

Dual, vinyl, padded sun visors

Inside day/night rear view mirror

Standard gauge package - Includes engine oil pressure, water temperature, fuel, tachometer and voltmeter, with warning lights for low coolant level, low oil pressure and high coolant temperature)

Two (2) 12V DC outlets

Two (2) speed intermittent wipers

Windshield washers

Dome light

Courtesy lights - Two (2) for driver and passenger assistance

Headlight and headlight dimmer switch

Two (2) cup holders

Coat hook

Power take off (PTO) hour meter

### **Exterior Equipment**

Daytime Running Lights (DRL's)

Fuel tank - 50 gallon, step type, LH mounted

Dual electric horns

Back up alarm - 97 dB.

Exterior cab entry assist handles

Two (2) frame mounted, front, tow hooks

Rear view mirrors for 102" wide load with integral arm and convex mirror, breakaway type, black

Exhaust - Single LH mounted, horizontal muffler and vertical stack

### **Emissions**

Federal compliant

### **Warranty**

Bumper to Bumper - 36 month/36,000 miles

Powertrain - 60 month/100,000 miles

Corrosion Perforation- 72 month/100,000 miles

Roadside Assistance- 60 month/100,000 miles

### **Other**

Extra fuel upon delivery - Five (5) gallons

### **Approved Options**

Air brake system with dryer and fuel water separator (in lieu of hydraulic brake system)

Paint - State of North Carolina DOT Yellow

Paint - State of North Carolina Forestry Green

Paint - School Bus Yellow